



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,310	05/16/2006	Weng Keen Lam	BAI525-259/08273	1690
24118 7590 02/11/2009 HEAD, JOHNSON & KACHIGIAN 228 W 17TH PLACE TULSA, OK 74119			EXAMINER KETEMA, BENYAM	
			ART UNIT 2629	PAPER NUMBER
			MAIL DATE 02/11/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/579,310	Applicant(s) LAM ET AL.	
	Examiner BENYAM KETEMA	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 May 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 May 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-10 are presented for examination.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. EPO 03104291.4, filed on 11/20/2003.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-10 rejected under 35 U.S.C. 102(b) as being anticipated by Lakhansingh (PG Pub NO.2002/0131759).

As in **Claims** 1, Lakhansingh discloses a multimode display device comprising

- *a display area,(Fig 1 item 22)*
- *where said display device is, in a first mode, adapted for displaying display-focused applications on the display area, (Paragraph 32) discloses the display unit having the capability of displaying video.*

Art Unit: 2629

- *where said display device is, in a second mode, adapted for displaying audio-specific information on the display area describing audio being played back and* (Paragraph 33 Line 14-17) discloses audio information can be displayed.
- *where the display device is, in a third mode, adapted for simultaneously displaying independent display-focused applications and audio-specific information on the display area,* (Paragraph 33 Line 14-17) discloses audio and video information is displayed on display (22) . Also fig 1 discloses two different menu displayed at the same time.
- *the device comprises: receiving means adapted for receiving audio data comprising said audio-specific information;* (Fig 9 item 12 and Paragraph 33 Line 7-17) discloses a device with audio receiver that in capable of receiving audio signal (audio information) .
- *processing means adapted for displaying said audio-specific information on said display area.* (Fig 9 item 34 Paragraph 33 Line 14-17) discloses a processor displays audio information can be displayed.

As in **Claims 2**, Lakhansingh discloses a multimode display device according to claim 1, wherein the device comprises means for playing back said audio. (Fig 1 item 16 and Paragraph 16 Line 1-4)

As in **Claims 3**, Lakhansingh discloses a multimode display device according to claim 1, wherein the device further comprises storage means adapted for storing the audio-

Art Unit: 2629

specific information (Fig 9 item 30 and Paragraph 14 Line 9-11) ; and wherein the processing means is adapted for reading said audio-specific information from said storage means. (Fig 9 item 34 and Paragraph 41 Line 1-4)

As in **Claims** 4, Lakhansingh discloses a multimode display device according to claim 1, wherein the device comprises a connector for connecting an external audio source enabling the device to receive said audio data comprising audio-specific information from said audio source via said connector. (Fig 8 item 64 and paragraph 33 line 17-19) discloses a socket (connector) that can be used to input audio data (i.e. voice).

As in **Claims** 5, Lakhansingh discloses a multimode display according to claim 1, wherein the display area is an LCD display. (Fig 1 item 22 and Paragraph 31 line3-4)

As in **Claims** 6, Lakhansingh discloses a multimode display device according to claim 1, wherein the processing means for displaying said audio-specific information on said display area is a scaler comprised in said display device. (Fig 9 item 34 and Paragraph 33 Line 14-17) discloses a processor displays audio information can be displayed.

As in **Claims** 7, Lakhansingh discloses a method for a multimode display device of visually handling audio applications on the display area, where

- *said display device is*, (Fig 1 item 22)

Art Unit: 2629

- *where the display device is, in a first mode, adapted for displaying display-focused applications on the display area*, (Paragraph 32) discloses the display unit having the capability of displaying video.
- *where the display device is ,in a second mode, adapted for displaying said audio-specific information on the display area and* (Paragraph 33 Line 14-17) discloses audio information can be displayed.
- *where the display device is ,in a third mode, adapted for simultaneously displaying independent display-focused applications and audio-specific information on the display area*, (Paragraph 33 Line 14-17) discloses audio and video information is displayed on display (22) . Also fig 1 discloses two different menu displayed at the same time.
- *the method comprising: receiving audio data comprising said audio-specific information; displaying said audio-specific information on said display area*. (Fig 9 item 12 and Paragraph 33 Line 7-17) discloses a device with audio receiver that in capable of receiving audio signal (audio information) .

As in **Claims** 8, Lakhansingh discloses a method according to claim 7, wherein the device further comprises storage means adapted for storing the received audio-specific information; and wherein said audio-specific information being displayed on said display area is read from said storage means. (Fig 9 item 30 and Paragraph 14 Line 9-11) ; and wherein the processing means is adapted for reading said audio-specific information from said storage means. (Fig 9 item 34 and Paragraph 41 Line 1-4)

As in **Claims** 9, Lakhansingh discloses a method according to claim 7, wherein the device comprises a connector for connecting an external audio source and wherein the device receives said audio data comprising audio-specific information from said audio source via said connector. (Fig 8 item 64 and paragraph 33 line 17-19) discloses a socket (connector) that can be used to input audio data (i.e. voice).

As in **Claims** 10, Lakhansingh discloses a method according to claim 7, wherein the device further comprises a means for receiving input from a user of the display device and wherein the method comprises the step of: receiving an input from the user of the display device indicating in which mode the display is to be used; [(Paragraph 14 Line 3-9) discloses a touch sense screen is used as an input from the user of the display device indicating in which mode the display is to be used.] displaying said audio-specific information on said display area if said second or third mode is selected. [(Paragraph 41 Line 1-4 and Fig 5) fig 5 discloses multiple operation being displayed on the screen.]

Prior Art

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent No US PG Pub No. 5,914,706 discloses a portable audio/video display having a compact mass memory with the capability of entry of user originated inquire. Sano (US PG Pub No. 2002/0018057) discloses a display device that is capable of playing music, video and ability to access the internet.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BENYAM KETEMA whose telephone number is (571)270-7224. The examiner can normally be reached on Monday- Friday 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shalwala Bipin H can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Benyam Ketema /

Examiner, Art Unit 2629

/Bipin Shalwala/

Supervisory Patent Examiner, Art Unit 2629